IN THE CLAIMS:

- 1. (currently amended) A first-side optical data storage disk comprising:
 - a single substrate having first and second principal surfaces;
 - a first metal/alloy layer overlying the first principal surface of the substrate;
 - a first transparent layer overlying the first metal/alloy layer; and
 - a second metal/alloy layer overlying the first transparent layer; and
- a first optical coupling layer overlying the second metal/alloy layer, the first optical coupling layer being adapted to optically couple the second metal/alloy layer to air.

the first side optical data storage disk being distinguished from second surface optical disks by the absence of an additional substrate overlaying the second metal/alloy layer having a thickness sufficient to defocus dust particles with respect to a laser beam reading either the first or second metal/alloy layer without passing through the single substrate.

- 2. (original) The first-side optical data storage disk of Claim 1 wherein said first principal surface of said substrate comprises premastered data which includes a series of pits and/or bumps, said first metal/alloy layer conforming to the shape of said pits and/or bumps.
- 3. (original) The first-side optical data storage disk of Claim 2 wherein the transmissivity of said second metal/alloy layer at the wavelength of said laser beam is greater than 10%.
- 4. (original) The first-side optical data storage disk of Claim 2 wherein said first metal/alloy layer contains a writeable area.
- 5. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer contains a writeable area.

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- 6. (original) The first-side optical data storage disk of Claim 5 wherein the transmissivity of said second metal/alloy layer at the wavelength of said laser beam is in the range of 25% to 50%.
- 7. (original) The first-side optical data storage disk of Claim 5 wherein said second metal/alloy layer contains a writeable area.
- 8. (original) The first-side optical data storage disk of Claim 1 wherein said second metal/alloy layer comprises premastered data which includes a series of pits and/or bumps.
- 9. (original) The first-side optical data storage disk of Claim 1 wherein said second metal/alloy layer contains a writeable area.
- 10. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer comprises aluminum.
- 11. (original) The first-side optical data storage disk of Claim 10 wherein said second metal/alloy layer comprises SbInSn.
- 12. (previously presented) The first-side optical data storage disk of Claim 1 comprising: a third metal/alloy layer underlying said second principal surface of said single substrate;
 - a second transparent layer underlying said third metal/alloy layer; and
 - a fourth metal/alloy layer underlying said second transparent layer, and
- a second optical coupling layer underlying the fourth metal/alloy layer, the second optical coupling layer being adapted to optically couple the fourth metal/alloy layer to air.

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- 13. (original) The first-side optical data storage disk of Claim 12 wherein said second principal surface of said substrate comprises premastered data which includes a series of pits and/or bumps in said substrate, said third metal/alloy layer conforming to the shape of said pits and/or bumps.
- 14. (original) The first-side optical data storage disk of Claim 13 wherein said third metal/alloy layer contains a writeable area.
- 15. (original) The first-side optical data storage disk of Claim 12 wherein said second metal/alloy layer comprises premastered data which includes a series of pits and/or bumps.
- 16. (original) The first-side optical data storage disk of Claim 15 wherein said second metal/alloy layer contains a writeable area.
- 17. (original) The first-side optical data storage disk of Claim 13 wherein said second metal/alloy layer contains a writeable area.
- 18. (currently amended) The first-side optical data storage disk of Claim 1 wherein said single substrate comprises polycarbonate.
- 19. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a photopolymer resin.
- 20. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a curable polymer.
- 21. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer comprises a UV curable material.

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- 22. (original) The first-side optical data storage disk of Claim 1 wherein said substrate has a thickness in the range of 200 to 1000 μ m.
- (original) The first-side optical data storage disk of Claim 22 wherein said substrate has a thickness of approximately 500 µm.
- 24. (original) The first-side optical data storage disk of Claim 1 wherein said first transparent layer has a thickness in the range of 15 to 200 µm.
- (original) The first-side optical data storage disk of Claim 24 wherein said first transparent layer has a thickness of approximately 50 µm.
- 26. (original) The first-side optical data storage disk of Claim 1 comprising a protective coating between said first metal/alloy layer and said first transparent layer.
- 27. (cancelled)
- 28. (cancelled)
- 29. (cancelled)
- 30. (original) The first-side optical data storage disk of Claim 1 wherein the reflectivity of said first and second metal/alloy layers at the wavelength of said laser beam is greater than 25%.
- 31. (original) The first-side optical data storage disk of Claim 1 wherein said disk is less than 50 mm in diameter.

32. (original) The first-side optical data storage disk of Claim 31 wherein said disk is at or below 32 mm in diameter.

23 MICHELSON DRIVE SUNTR 210 BIVINE CA 92412 (949) 752-7040 FAX (949) 753-7049

Serial No. 09/764,042

- 33. (original) The first-side optical data storage disk of Claim 1 wherein said first metal/alloy layer is a read-only layer and said second metal/alloy layer comprises a writeable area, said writeable area comprising a code which permits access to a portion of data recorded on the first metal/alloy layer.
- 34. (original) The first-side optical data storage disk of Claim 33 wherein said coded permits access to a portion of data recorded on the second metal/alloy layer.
- 35. (currently amended) A method of reading data comprising: providing an first-side optical disk including:
 - a single substrate having first and second principal surfaces;
- a first metal/alloy layer overlying the first principal surface of said substrate;
- a first transparent layer overlying the first metal/alloy layer, the first transparent layer having a thickness of greater than 15 microns;
 - a second metal/alloy layer overlying the first transparent layer; and
- a first optical coupling layer overlying the second metal/alloy layer, the first optical coupling layer being adapted to optically couple the second metal/alloy layer to air; the first side optical data storage disk being distinguished from second surface optical disks by the absence of an additional substrate overlaying the second metal/alloy;

directing a laser beam from above the principal surface of the substrate towards the first and second metal/alloy layers such that the laser beam is partially reflected from and partially transmitted through the second metal/alloy layer:

detecting a first portion of the laser beam that is reflected from the first metal/alloy layer; and

detecting a second portion of the laser beam that is reflected from the second metal alloy layer.

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Page 7 of 13

Serial No. 09/764,042